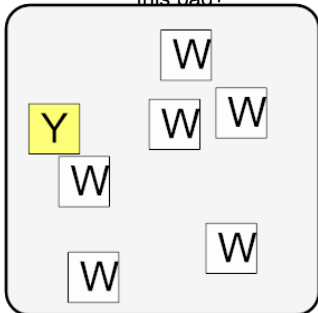


Probability - Shapes, One Set of One Shape, Two Colors - Pick Two by Color, To Fraction Equation

1 What is the equation for the chance of drawing two yellow shapes in a row at random from this bag?



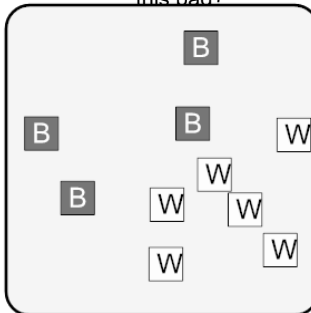
A $\frac{1}{7} \cdot 0$

B $\frac{2}{2} \cdot \frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{2}$

D $\frac{2}{6} \cdot \frac{1}{8} \cdot \frac{1}{8} \cdot \frac{1}{2} \cdot \frac{1}{4} \cdot \frac{1}{3}$

E $\frac{1}{8} \cdot \frac{1}{8} \cdot \frac{1}{2} \cdot \frac{1}{4} \cdot \frac{1}{3}$

2 What is the equation for the chance of drawing two white shapes in a row at random from this bag?



A $\frac{7}{8} \cdot \frac{3}{8}$

B $\frac{2}{3} \cdot \frac{2}{2} \cdot \frac{4}{4} \cdot \frac{3}{8}$

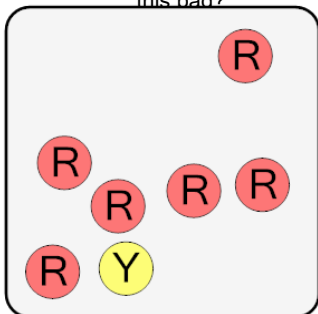
C $\frac{4}{4} \cdot \frac{3}{8}$

D $\frac{3}{4} \cdot \frac{4}{10}$

E $\frac{6}{10} \cdot \frac{5}{9}$

F $\frac{5}{8} \cdot \frac{8}{8}$

3 What is the equation for the chance of drawing two red shapes in a row at random from this bag?



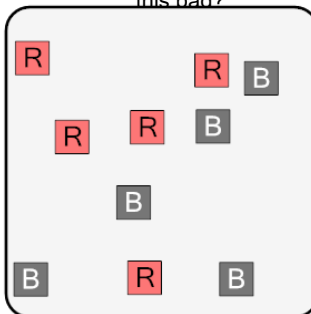
A $\frac{2}{4} \cdot \frac{6}{6} \cdot \frac{6}{7} \cdot \frac{5}{6}$

B $\frac{9}{10} \cdot \frac{9}{10}$

D $\frac{4}{8} \cdot \frac{5}{10}$

E $\frac{6}{8} \cdot \frac{4}{5} \cdot \frac{3}{3} \cdot \frac{4}{5}$

4 What is the equation for the chance of drawing two black shapes in a row at random from this bag?



A $\frac{2}{2} \cdot \frac{3}{4} \cdot \frac{2}{8} \cdot \frac{1}{3} \cdot \frac{2}{3} \cdot \frac{1}{2}$

B $\frac{1}{3} \cdot \frac{1}{2}$

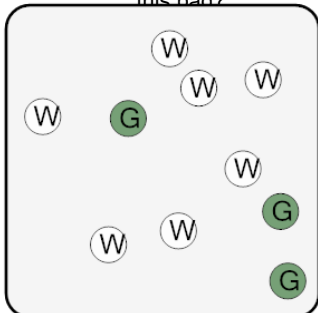
C $\frac{2}{3} \cdot \frac{1}{2}$

D $\frac{5}{10} \cdot \frac{4}{9}$

E $\frac{2}{6} \cdot \frac{4}{8}$

F $\frac{2}{6} \cdot \frac{3}{4}$

5 What is the equation for the chance of drawing two white shapes in a row at random from this bag?



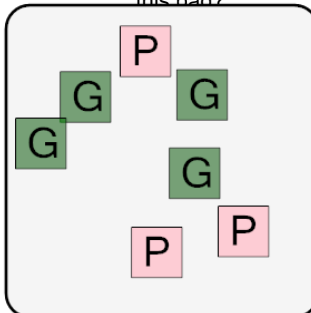
A $\frac{6}{6} \cdot \frac{3}{4} \cdot \frac{3}{4} \cdot \frac{2}{2} \cdot \frac{2}{4} \cdot \frac{5}{5}$

B $\frac{2}{2} \cdot \frac{5}{5}$

D $\frac{1}{2} \cdot \frac{3}{5} \cdot \frac{6}{8} \cdot \frac{2}{5} \cdot \frac{7}{10} \cdot \frac{6}{9}$

E $\frac{6}{8} \cdot \frac{2}{5} \cdot \frac{7}{10} \cdot \frac{6}{9}$

6 What is the equation for the chance of drawing two pink shapes in a row at random from this bag?



A $\frac{1}{10} \cdot \frac{1}{6} \cdot \frac{3}{5} \cdot \frac{2}{10} \cdot \frac{2}{2} \cdot \frac{1}{6}$

B $\frac{2}{2} \cdot \frac{1}{6}$

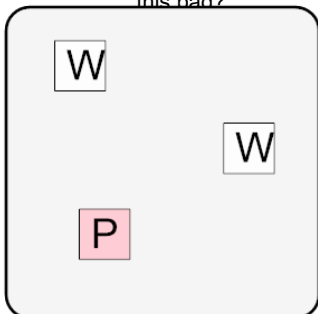
C $\frac{2}{2} \cdot \frac{1}{6}$

D $\frac{1}{3} \cdot \frac{3}{6} \cdot \frac{3}{7} \cdot \frac{2}{6} \cdot \frac{3}{4} \cdot \frac{4}{5}$

E $\frac{3}{7} \cdot \frac{2}{6} \cdot \frac{3}{4} \cdot \frac{4}{5}$

F $\frac{3}{4} \cdot \frac{4}{5}$

7 What is the equation for the chance of drawing two white shapes in a row at random from this bag?



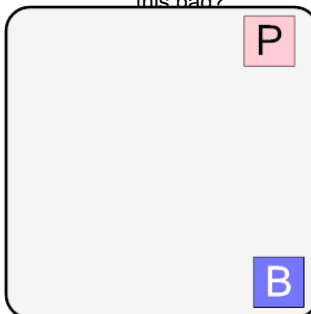
A $\frac{3}{3} \cdot \frac{1}{3} \cdot \frac{2}{3} \cdot \frac{1}{2} \cdot \frac{2}{10} \cdot \frac{2}{5}$

B $\frac{2}{2} \cdot \frac{2}{5}$

D $\frac{1}{8} \cdot \frac{1}{3} \cdot \frac{3}{5} \cdot \frac{2}{5} \cdot \frac{5}{8} \cdot \frac{2}{6}$

E $\frac{3}{5} \cdot \frac{2}{5} \cdot \frac{5}{8} \cdot \frac{2}{6}$

8 What is the equation for the chance of drawing two blue shapes in a row at random from this bag?



A $\frac{1}{2} \cdot 0$

B $\frac{3}{5} \cdot \frac{1}{10}$

C $\frac{2}{6} \cdot \frac{1}{3}$

D $\frac{3}{8} \cdot \frac{1}{8} \cdot \frac{2}{8} \cdot \frac{1}{2} \cdot \frac{3}{10} \cdot \frac{1}{2}$

E $\frac{2}{8} \cdot \frac{1}{2} \cdot \frac{3}{10} \cdot \frac{1}{2}$

F $\frac{3}{10} \cdot \frac{1}{2}$